

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of reducing the concentration of sulfur and/or a ~~sulfur-comprising compound~~ a compound comprising sulfur in a biochemically prepared organic compound, ~~which is selected from an alcohol, ether or a carboxylic acid, which comprises bringing the respective~~ the method comprising, contacting the prepared organic compound ~~into contact~~ with an adsorbent in the liquid phase.
2. (Currently amended) The method according to claim 1, wherein the organic compound is for reducing the concentration of sulfur and/or a sulfur-comprising compound in a compound prepared by fermentation.
3. (Currently amended) The method according to claim 1, wherein the compounds comprising sulfur is selected from the group consisting of ~~or 2 for reducing the concentration of~~ C₂₋₁₀-dialkyl sulfides, C₂₋₁₀-dialkyl sulfoxides, 3-methylthio-1-propanol ~~and/or~~ and S-comprising amino acids.
4. (Currently amended) The method according to claim 1 ~~or 2 for reducing the concentration of~~ wherein the compound comprising sulfur is dimethyl sulfide.
5. (Currently amended) The method according to ~~any of claims 1 to 4~~ claim 1, wherein the biochemically prepared organic compound is selected from the group consisting of ethanol, 1,3-propanediol, 1,4-butanediol, 1-butanol, glycerol, tetrahydrofuran, lactic acid, succinic acid, malonic acid, citric acid, acetic acid, propionic acid, 3-hydroxypropionic acid, butyric acid, formic acid ~~or~~ and gluconic acid.
6. (Currently amended) The method according to ~~any of the preceding claims~~ claim 1, wherein the adsorbent is selected from the group consisting of a silica gel, an aluminum oxide, a zeolite, an activated carbon ~~or a~~ and carbon molecular sieve.
7. (Currently amended) The method according to ~~the preceding~~ claim 1, wherein the ~~zeolite~~ adsorbent is a zeolite selected from the group consisting of

natural zeolites, faujasite, X-zeolite, Y-zeolite, A-zeolite, L-zeolite, ZSM 5 zeolite, ZSM 8 zeolite, ZSM 11 zeolite, ZSM 12 zeolite, mordenite, beta-zeolite, pentasil zeolite, Metal Organic Frameworks (MOF) and mixtures thereof which comprise ion-exchangeable cations.

8. (Currently amended) The method according to ~~either of the two preceding claims~~ claim 7, wherein the zeolite has a molar $\text{SiO}_2/\text{Al}_2\text{O}_3$ ratio ~~in the range~~ from 2 to 100.

9. (Currently amended) The method according to ~~any of the three preceding claims~~ claim 7, wherein cations of the zeolite have been completely or partly replaced by metal cations.

10. (Currently amended) The method according to ~~any of the preceding claims~~ claim 1, wherein the adsorbent comprises one or more transition metals, in elemental or cationic form, from ~~groups VIII and/or IB~~ Group VIII, Group IB or mixtures thereof, of the Periodic Table.

11. (Currently amended) The method according to ~~the preceding claim 10~~, wherein the adsorbent comprises silver, ~~and/or copper~~ or silver and copper.

12. (Currently amended) The method according to ~~any of the three preceding claims~~ claim 10, wherein the adsorbent comprises from 0.1 to 75% by weight of the metal or metals.

13. (Currently amended) The method according to ~~any of the preceding claims~~ claim 1, wherein the biochemically prepared organic compound ~~is brought into contact with~~ contacts the adsorbent at a temperature ~~in the range~~ from 10 to 200°C.

14. (Currently amended) The method according to ~~any of the preceding~~ claims claim 13, wherein the biochemically prepared organic compound is ~~brought into contact with~~ contacts the adsorbent at an absolute pressure ~~in the range~~ from 1 to 200 bar.

15. (Currently amended) The method according to ~~any of the preceding claims for~~ reducing claim 1, wherein the concentration of sulfur ~~and/or~~ or sulfur-comprising compounds is reduced by $[\geq]$ 90% by weight or greater (calculated as S).

16. (Currently amended) The method according to ~~any of claims 1 to 14 for reducing claim 1, wherein~~ the concentration of sulfur ~~and/or or~~ sulfur-comprising compounds ~~by $\geq 95\%$ is reduced by 95% by weight or greater~~ (calculated as S).

17. (Currently amended) The method according to ~~any of claims 1 to 14 for reducing claim 1, wherein~~ the concentration of sulfur ~~and/or or~~ sulfur-comprising compounds ~~by $\geq 98\%$ is reduced by 98% by weight~~ (calculated as S).

18. (Currently amended) The method according to ~~any of the preceding claims for reducing claim 1, wherein~~ the concentration of sulfur ~~and/or or~~ sulfur-comprising compounds ~~to < 2 ppm is reduced to less than 2 ppm~~ by weight (calculated as S).

19. (Currently amended) The method according to ~~any of claims 1 to 17 for reducing claim 1, wherein~~ the concentration of sulfur ~~and/or or~~ sulfur-comprising compounds ~~to < 1 ppm is reduced to less than 1 ppm~~ by weight (calculated as S).

20. (Currently amended) The method according to ~~any of claims 1 to 17 for reducing claim 1, wherein~~ the concentration of sulfur ~~and/or or~~ sulfur-comprising compounds ~~to < 0.1 ppm is reduced to less than 0.1 ppm~~ by weight (calculated as S).

21. (Currently amended) The method according to ~~any of the preceding claims carried out claim 1, wherein~~ the contacting the prepared organic compound is conducted in the absence of hydrogen.

22. (Currently amended) Ethanol ~~which can be prepared by a method according to any of claims 1 to 21, in which a bioethanol produced from agricultural products by fermentation was used, which ethanol has comprising:~~

a content of sulfur and/or ~~sulfur-comprising~~ organic compounds comprising sulfur in the range from 0 to 0.1 ppm by weight (calculated as S),
a content of C₃₋₄-alkanols ~~in the range~~ from 1 to 5000 ppm by weight,
a methanol content ~~in the range~~ from 1 to 5000 ppm by weight,
an ethyl acetate content ~~in the range~~ from 1 to 5000 ppm by weight, ~~and and~~
a 3-methyl-1-butanol content ~~in the range~~ from 1 to 5000 ppm by weight.

23. (Currently amended) Ethanol according to ~~the preceding claim 22 which has a~~
wherein the content of C₃₋₄-alkanols in the range is from 5 to 3000 ppm by weight.

24. (Currently amended) Ethanol according to ~~either of the two preceding claims which~~
has a claim 22, wherein the methanol content in the range is from 5 to 3000 ppm by weight.

25. (Currently amended) Ethanol according to ~~any of the three preceding claims which~~
has an claim 22, wherein the ethyl acetate content in the range is from 5 to 3000 ppm by weight.

26. (Currently amended) Ethanol according to ~~any of the four preceding claims which~~
has a claim 22, wherein the 3-methyl-1-butanol content in the range is from 5 to 3000 ppm by weight.

27. (Currently amended) The use of ethanol according to ~~any of claims 22 to 26 claim~~
22 as solvent, disinfectant, as a component in pharmaceutical or cosmetic products or in foodstuffs or in cleaners, as feed in steam reforming processes for the synthesis of hydrogen or in fuel cells or as building block in chemical synthesis.

28. (New) The method according to claim 3, wherein the biochemically prepared organic compound is selected form the group consisting of ethanol, 1,3-propanediol, 1,4-butanediol, 1-butanol, glycerol, tetrahydrofuran, lactic acid, succinic acid, malonic acid, citric acid, acetic acid, propionic acid, 3-hydroxypropionic acid, butyric acid, formic acid or gluconic acid.

29. (New) Ethanol according to claim 23, wherein the methanol content is from 5 to 3000 ppm by weight.

30. (New) Ethanol according to claim 29, wherein the methanol content is from 5 to 3000 ppm by weight, the ethyl acetate content is from 5 to 3000 ppm by weight, the ethyl acetate content is from 5 to 3000 ppm by weight, and the 3-methyl-1-butanol content is from 5 to 3000 ppm by weight.

